

# RECEIVED

JUL 28 2004

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES**

MISSOURI LAND RECLAMATION COMMISSION  
P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>William D. Dawson, Inc.</b>		DATE <b>7/21/2004</b>	
ADDRESS <b>5662 Highway 47</b>	CITY <b>Union</b>	STATE <b>MO</b>	ZIP CODE <b>63084</b>
CONTACT PERSON <b>Bill Dawson</b>		TELEPHONE NUMBER <b>(636) 583-4002</b>	
CHECK ANY THAT APPLY: <input type="checkbox"/> New Permit <input type="checkbox"/> Permit Amendment <input type="checkbox"/> Permit Revision <input checked="" type="checkbox"/> Permit Expansion			
SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (EAST OR WEST)	
1. Dawson Quarry	*	Union, Section 14, T43N, R1W	
2.			
3.			
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20.			
ATTACH ADDITIONAL SHEETS IF NECESSARY			
SIGNATURE OF APPLICANT <i>William D. Dawson</i>		TITLE <i>President</i>	DATE <i>7-26-04</i>
Appeared before me this <u>26TH</u> day of <u>JULY</u> , 2004. <u>WM. D. DAWSON</u> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSE	STATE <b>MISSOURI</b>	COUNTY (OR CITY OF ST. LOUIS) <b>FRANKLIN</b>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS		
	26TH DAY OF JULY YEAR 2004 NOTARY PUBLIC SIGNATURE <i>Betty D. Copeland</i> NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>BETTY D. COPELAND</b>	MY COMMISSION EXPIRES <b>FEB. 22, 2007</b>	USE RUBBER STAMP IN CLEAR AREA BELOW  <b>BETTY D. COPELAND</b> Notary Public - Notary Seal STATE OF MISSOURI Franklin County My Commission Expires: February 22, 2007
FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	PERMIT NUMBER	EXPIRATION DATE

MO 780-1007 (12-02)

ATTACH FEES AND BONDING WORKSHEET

\*While 48 acres are being added to the Mine Plan, no additional acres are being bonded at this time—see detail map for total acreages. Other sites not being expanded are listed on the Fees and Bonding Worksheet.

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LAND RECLAMATION COMMISSION  
**PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES  
FEES AND BONDING WORKSHEET**

MISSOURI LAND  
RECLAMATION COMMISSION

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <div style="text-align: center;">William D. Dawson, Inc.</div>		DATE <div style="text-align: center;">7/21/2004</div>
<b>FEES: COMPLETE SECTION I OR SECTION II</b>		
<b>SECTION I. FEES: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:</b>		
1. To compute the site fee complete the columns and lines below:		
SITE NAME OR NUMBER* (add a separate sheet for additional sites)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
Dawson Quarry	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$300
Bluffton Quarry**	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$300
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$0
<b>TOTAL SITE FEE &gt;</b>		<b>\$600</b>
2. Acreage fee \$5 X        41        number of acres bonded.....		<b>\$205</b>
3. Annual Permit Fee.....		<b>\$500</b>
4. Total Fee (Add totals from 1, 2 and 3).....		<b>\$1,305</b>
NOTE: If Total Fee exceeds \$2,500.00 then pay only .....		<b>\$2,500</b>
<b>SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:</b>		
1. Annual Permit Fee.....		<b>\$300</b>
<b>III. BONDING - for all except in-stream mine sites:</b>		
A. For sand and gravel operators mining less than 5,000 tons per year:		
Number of new acres        X \$500 per acre.....		<b>\$0</b>
B. For ALL other open pit operations:		
Minimum per permit.....		<b>\$8,000</b>
Acreage over eight acres        33        X \$500 per acre.....		<b>\$16,500</b>
TOTAL BONDING REQUIRED.....		<b>\$24,500</b>
X Check here if adequate bonding is already posted.		

MO 780-1007 (12-02)

\*Expansion is only applicable to the Dawson Quarry (48 acres added to Mine Plan). No additional acres are being bonded at this time.

\*\*No longer owned by William D. Dawson, Inc. and Permit Transfer form will be submitted soon.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION

MISSOURI LAND  
RECLAMATION COMMISSION  
P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

Complete this form for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER  Dawson Quarry		PERMIT NUMBER  0261	
COMPANY  William D. Dawson, Inc.			
COUNTY  Franklin	1/4 SECTION  Part of NW 1/4 & SW 1/4	SECTION  14	
TOWNSHIP  43N	RANGE  1W	ACRES  123.43	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)  Not Applicable			
MINERAL COMMODITY  Limestone		ESTIMATED TONS/YEAR (GRAVEL SITES)  Not Applicable	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)  William D. Dawson		
ADDRESS  5662 Highway 47		
CITY  Union	STATE  MO	ZIP CODE  63084
SOURCE OF RIGHT TO MINE (CHECK ONE):  <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT  10/13/1983, 2/1986, 3/3/1989, 11/15/1990, and 1/15/2000

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)  Same as Landowner.		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE):  <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT  <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
MINE PLANMISSOURI LAND  
RECLAMATION COMMISSION  
P.O. BOX 137  
JEFFERSON CITY, MO 65102

COMPANY NAME <b>William D. Dawson, Inc.</b>	
TYPE OF PLAN (CHECK ONE): <input type="checkbox"/> SHORT TERM, FOR ONE PERMIT YEAR <input checked="" type="checkbox"/> LONG TERM, FOR PERIOD THROUGH DATE: <b>March 31, 2105</b>	
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.  <b>Dawson Quarry</b>  This plan covers an area of approximately 123.43 acres (see Detail Map), consisting of 76 acres from the previous Mine Plan for this site (down from 81.25 acres due to leaving a 50' gap between the Mine Plan boundary and the property lines—actual buffer between pit & property line is 75' - 100'), plus an increase of 47.43 acres (30.3 acres to the east of the previous Mine Plan area, plus 17.13 acres to the south). As noted in the previous Mine Plan for this site, the vicinity of the site has hilly terrain. Black topsoil ("Horizon A") averages 3" depth over the site and overburden (red clay—"Horizon B") ranges from 1' depth at the south end of the site to 8' depth at the crown of the hill on the east and northeast portion of the Mine Plan area. Highway 47 runs along the west side of the site.	
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING  <b>3" of topsoil &amp; 12" - 96" of overburden</b> INCHES	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?  <input checked="" type="checkbox"/> YES OR <input type="checkbox"/> NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL  After any trees are cleared with bulldozers, topsoil and overburden is removed with a scraper and/or loader. The topsoil/overburden will be loaded into trucks and moved to storage piles. While some topsoil will be sold, sufficient topsoil will be kept for reclamation of any areas which are not being reclaimed as water impoundments. Topsoil/overburden removal will be completed during the summer for the areas to be mined the following year. Topsoil/overburden removal will be kept at least 20 feet ahead of pit excavation.	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION  The topsoil/overburden will be deposited in stockpiles near the pit (see Detail Map) within the permitted/bonded area. Any stockpiles not already seeded or covered with grass will be stored, shaped, and seeded (with the Seed Mix on page 3 of the Mine Plan) to protect the piles from erosion.	
PERMIT NO.  <b>0261</b>	SITE NUMBER/NAME  <b>Dawson Quarry</b>

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**B. SPOIL**

MISSOURI LAND

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

RECLAMATION COMMISSION

Overburden removed from the pit will be treated similarly to topsoil (as noted on page 1) with some being sold as fill material and the remainder placed in the permitted and bonded mined-out portions of the pit and graded to traversable slopes (3:1) before topsoil is replaced.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

There are no acidic materials at this site.

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See attached site maps.

YES NO

☐

X

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐

X

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐

X

Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

PERMIT NO.

0261

SITE NUMBER/NAME

Dawson Quarry

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RECLAMATION COMMISSION

## RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

## A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1 #1	PURPOSE OR LAND USE Wildlife	B. SEEDING OR PLANTING TIME Spring (March 15 - May 01)*
---------------------------	---------------------------------	------------------------------------------------------------

## DESCRIBE METHODS AND EQUIPMENT USED FOR SEEDING OR PLANTING

During the first spring (or first optimal seeding period) following topsoil replacement, the seed mix will be broadcast with a broadcast seeder and harrowed with a disc harrow. Fertilizer and lime will be added as noted under "Revegetation" on the following page.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	15		
Alfalfa	15		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
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## DESCRIBE METHODS AND EQUIPMENT USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO. 0261	SITE NUMBER/NAME Dawson Quarry
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**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

As noted on page 1, a 75' - 100' wide buffer will be left between the pit and the property lines (with the 50' next to the property lines being undisturbed and not included in the Mine Plan area). The part of the buffer within the Mine Plan will be seeded (if not already covered with grass) to prevent erosion, while the pit area will become a lake (water impoundment). All slopes in the area not covered by water will be graded to slopes traversable by farm machinery. The 115-acre lake in the pit area will be designed and constructed to meet NRCS PONDS-378 standards.

**DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

**GRADING**

Grading will be done as the pit advances and as spoil is placed in the mined-out portions. Final grading will be completed within one year of permit expiration on all mined-out portions.

**REPLACEMENT OF TOPSOIL**

Topsoil (A Horizon + B Horizon) will be replaced to a uniform depth of 12" on the acreage surrounding the water impoundment and disced to reduce compaction. The topsoil/overburden will be replaced within one year of permit expiration on all mined-out portions.

**REVEGETATION**

Prior to seeding, soil test analyses will be conducted in order to determine appropriate lime and fertilizer application requirements. All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

A Horizon + B Horizon = 12 inches.

**D. USE OF LAND WHEN RECLAIMED**

Estimated acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	9
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agriculture, or development)	115

PERMIT NO.

0261

SITE NUMBER/NAME

Dawson Quarry

JUL 28 2004

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>William D. Dawson</i>		TITLE <i>President</i>		DATE <i>7-26-04</i>		
<b>NOT VALID UNLESS NOTARIZED</b>	NOTARY PUBLIC EMBOSSEER		STATE <i>MISSOURI</i>		COUNTY (OR CITY OF ST. LOUIS)	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>26th</i> DAY OF <i>JULY</i> YEAR <i>2004</i>		<b>USE RUBBER STAMP IN CLEAR AREA BELOW.</b> <b>BETTY D. COPELAND</b> Notary Public - Notary Seal STATE OF MISSOURI Franklin County My Commission Expires: February 22, 2007			
	NOTARY PUBLIC SIGNATURE <i>Betty D. Copeland</i>					
	MY COMMISSION EXPIRES <i>FEB. 22, 2007</i>					
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>BETTY D. COPELAND</i>						
<b>FOR DEPARTMENT USE ONLY</b>						
APPROVED BY			DATE APPROVED		PERMIT NUMBER	
PERMIT NO.			SITE NUMBER/NAME			



4-Photo 10 ac : 40.00

1-27-03

573-445-085 RECEIVED

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UNION

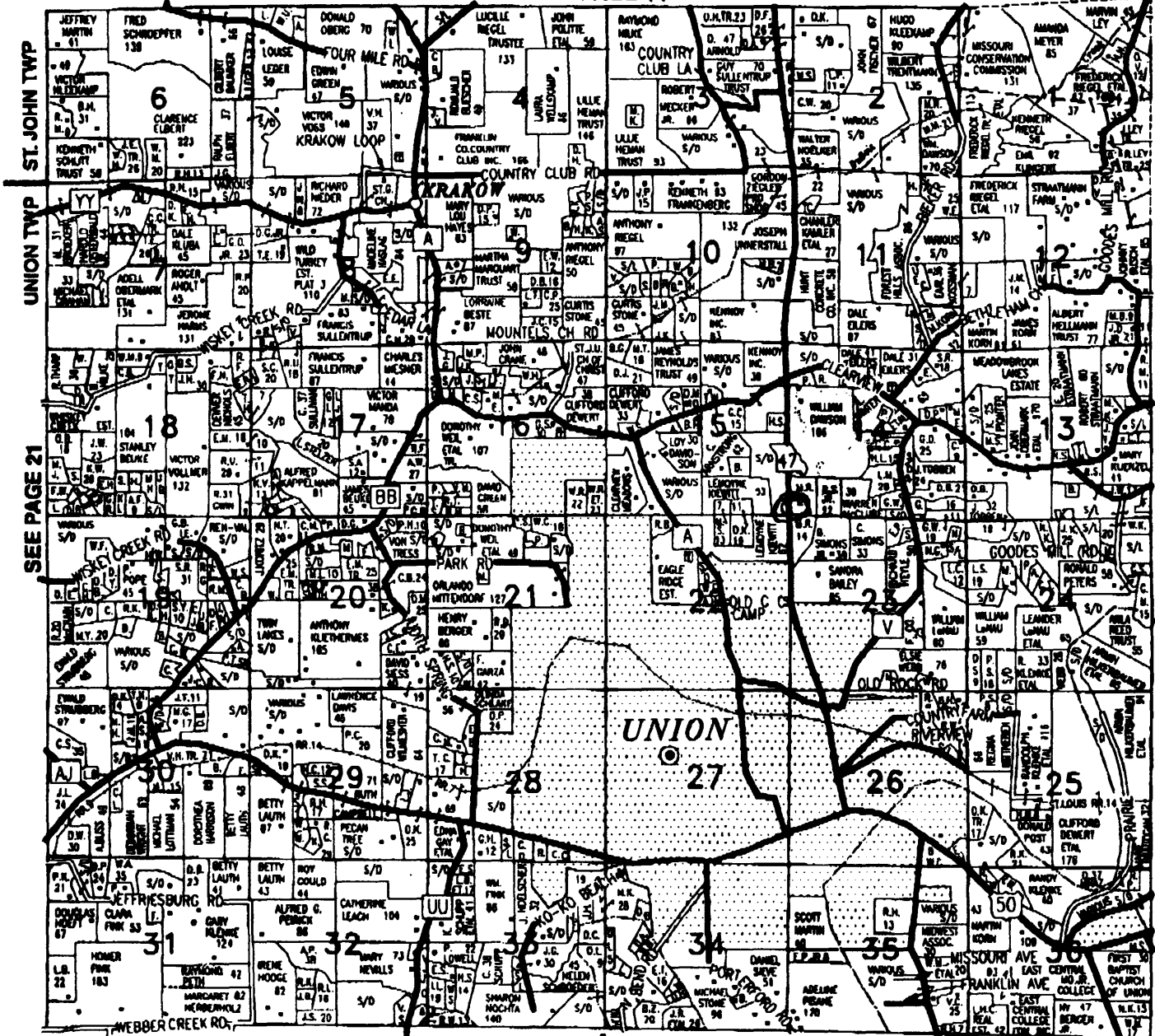
**TOWNSHIP 43N • RANGE 1W**

SOUTH CENTRAL  
PART

NORTHWEST PART

ST. JOHN  
CENTRAL

SEE PAGE 14

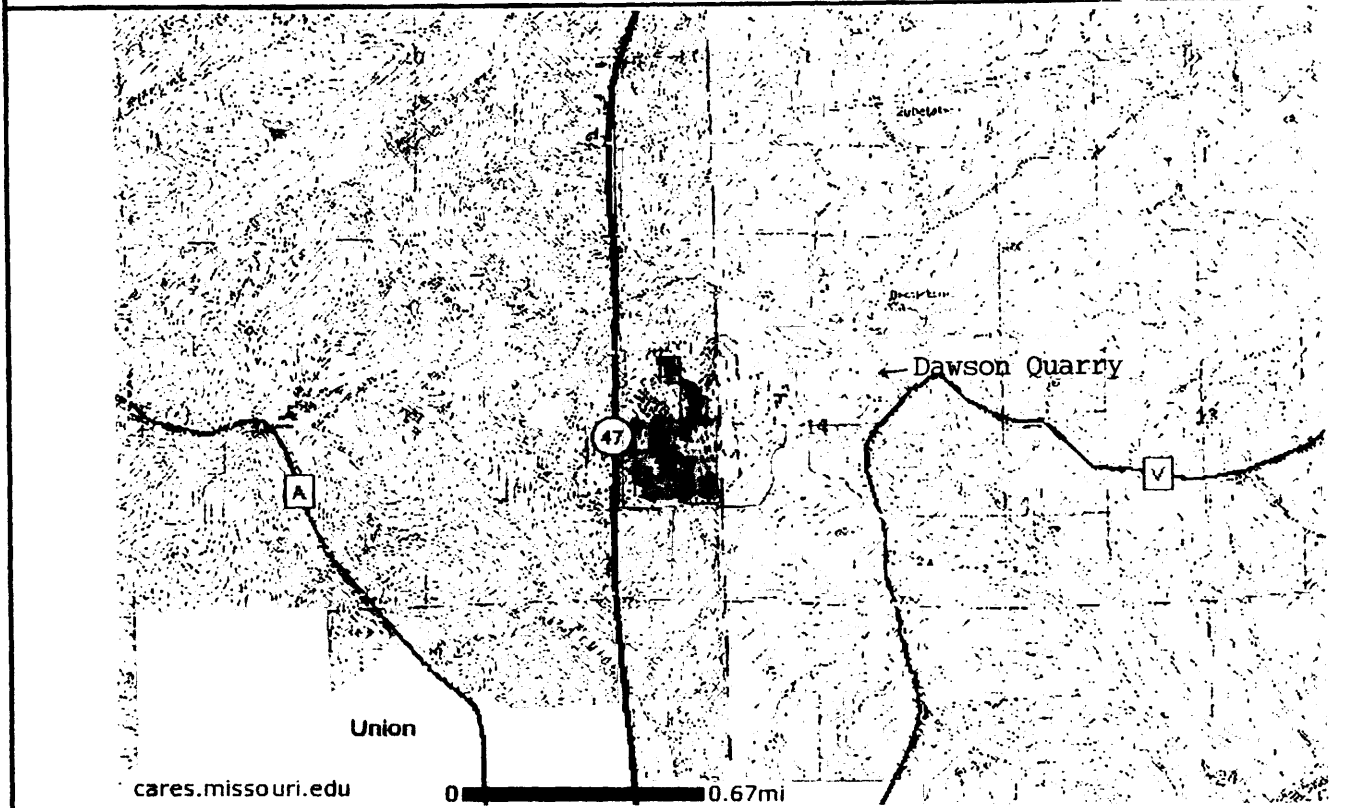


CENTRAL TWP

CENTRAL TWP

SEE PAGE 29

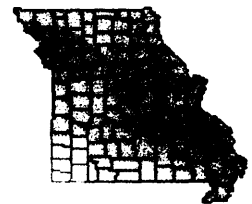
**T43N,R1W,Sec.14**



**Legend**

- |                          |                                |
|--------------------------|--------------------------------|
| Interstate               | State Boundary                 |
| U.S. Highway             | Artificial Boundary            |
| State Numbered Highway   | Incorporated Areas             |
| State Lettered Highway   | City                           |
| Principal Road           | Town                           |
| Road or Street           | Village                        |
| Private Road or Drive    | Census Designated Place        |
| County Boundaries        | Other                          |
| Public Land Survey Lines | 1:24,000 USGS Topographic Maps |
| Section Boundary         | Bonded Area                    |
| Land Grant Boundary      |                                |
| Township Boundary (cont) |                                |

**Location Map**



Franklin County  
See also attached  
plat map.

Map prepared by:  
<http://cares.missouri.edu>, 7/19

Map updated by Curtis Heider, EEC  
7/21/2004



Scale: 1" = 2,830'

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RECLAMATION COMMISSION

DETAIL MAP  
WILLIAM D. DAWSON, INC. DAWSON QUARRY SITE  
SEC. 14, T43N, R1W IN FRANKLIN COUNTY, MO.  
Permit #0261

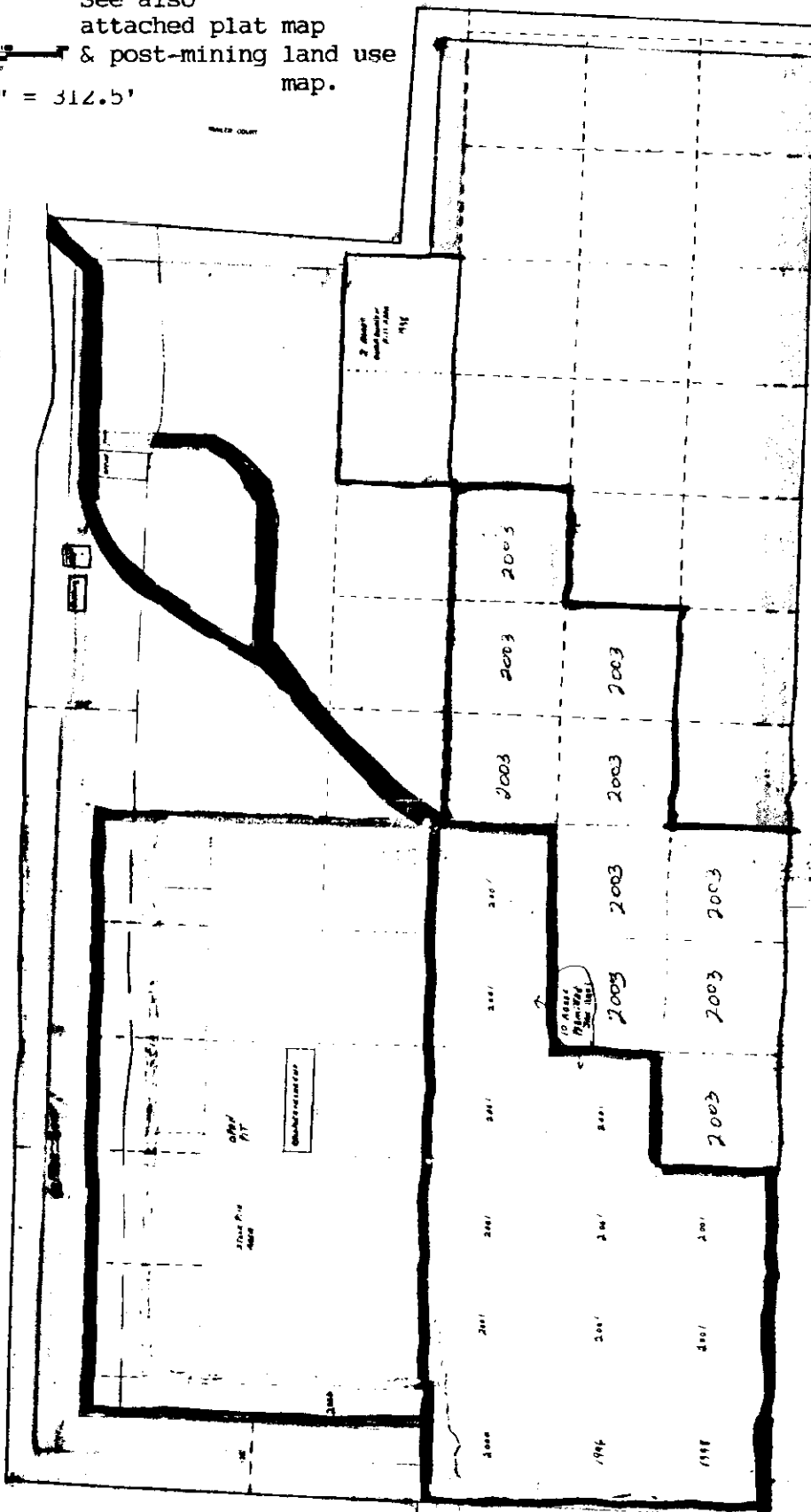
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See also  
attached plat map  
& post-mining land use  
map.  
Scale: 1" = 312.5'

CENTERLINE ROUTE "47"



KEY

Property Line

Existing Mine Plan Area

Expansion Mine Plan Area

Bonded Area

Map updated by Curtis Heider,  
EEC on 7/21/2004

Note: Property owner for  
all property shown is  
William D. Dawson.

DAWSON QUARRY SITE  
 J.C. 14, T43N, R1W IN FRANKLIN COUNTY, MO.  
 Post-Mining Land Use

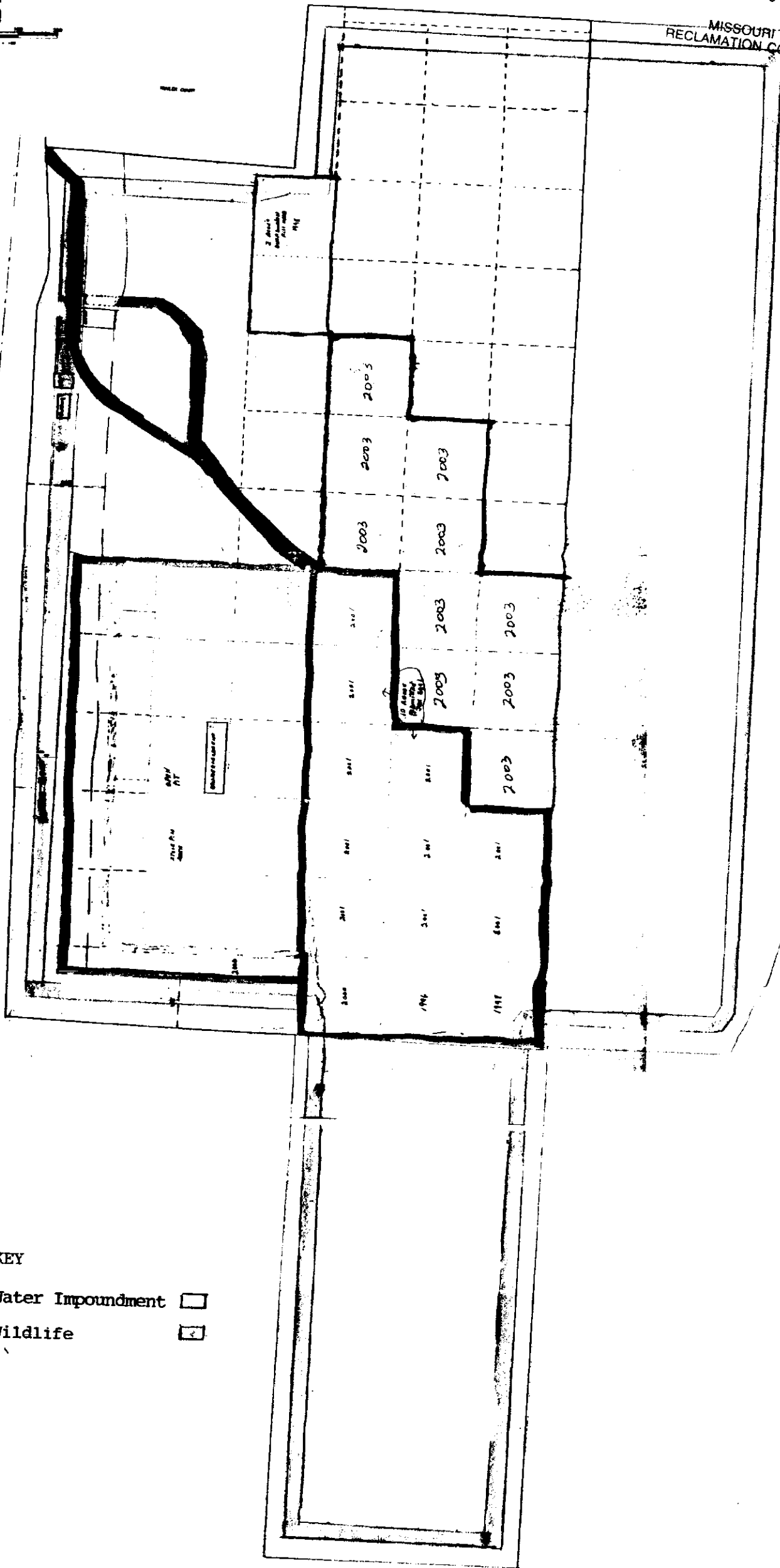
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CENTERLINE ROUTE 47



KEY

Water Impoundment ☐

Wildlife ☐